


Clothesline

Dan
Luevanos


6-8

Andrew
Stadel

 @danluevanos

 @mr_stadel

integers
proportional reasoning
percents
algebraic expressions
linear systems

 @mr_stadel

FedEx

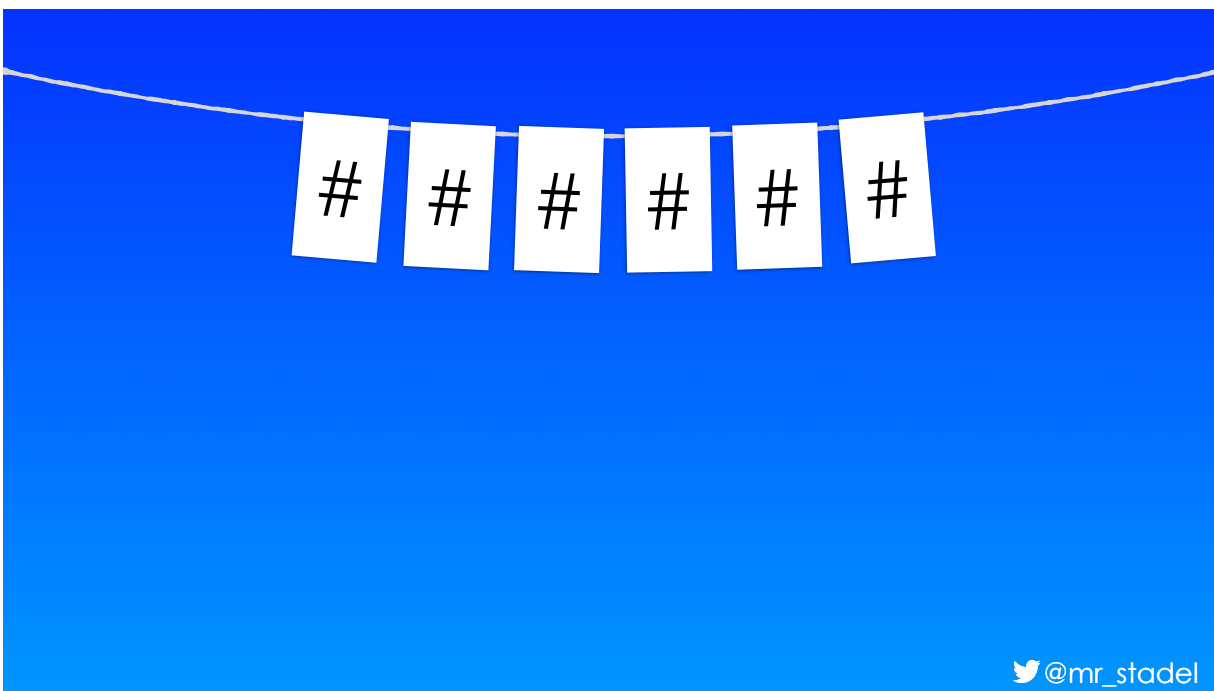
FedEx

فیدیکس



amazon


FedEx

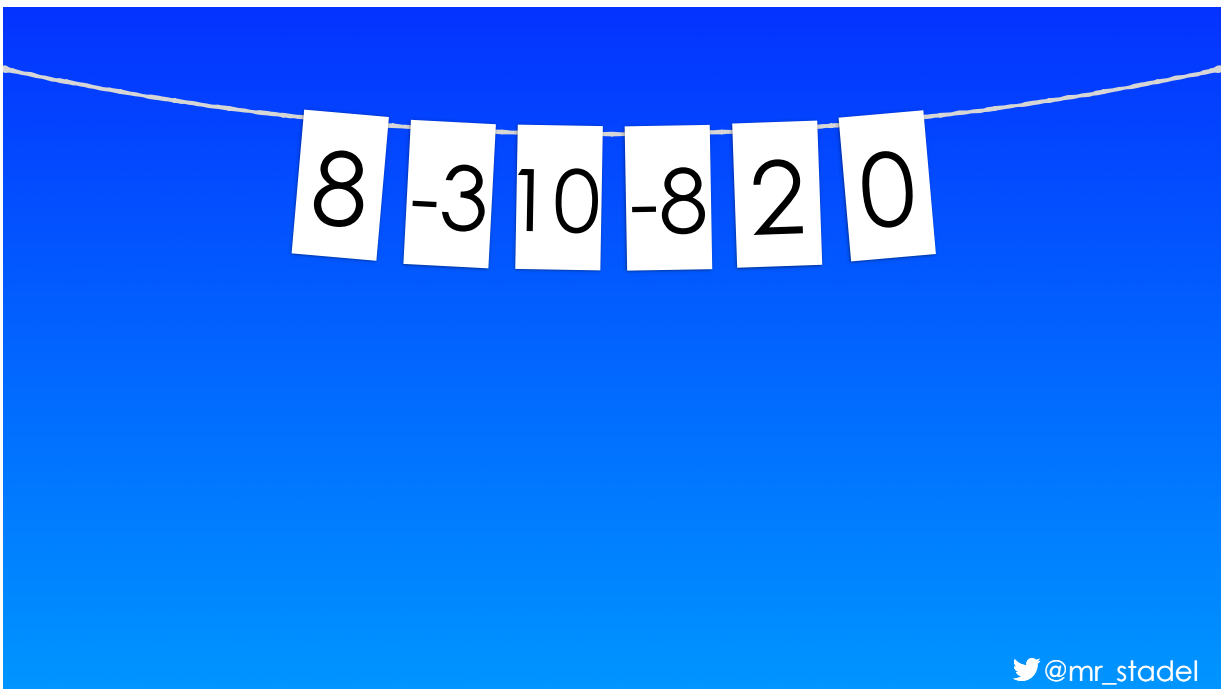
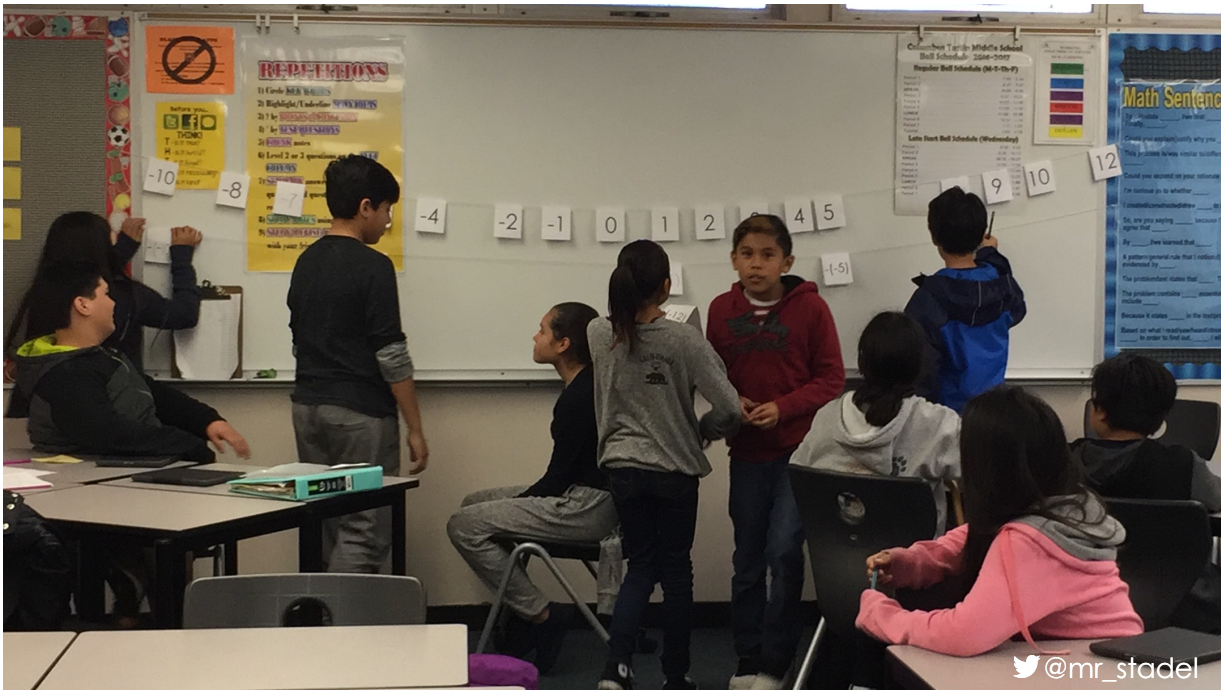


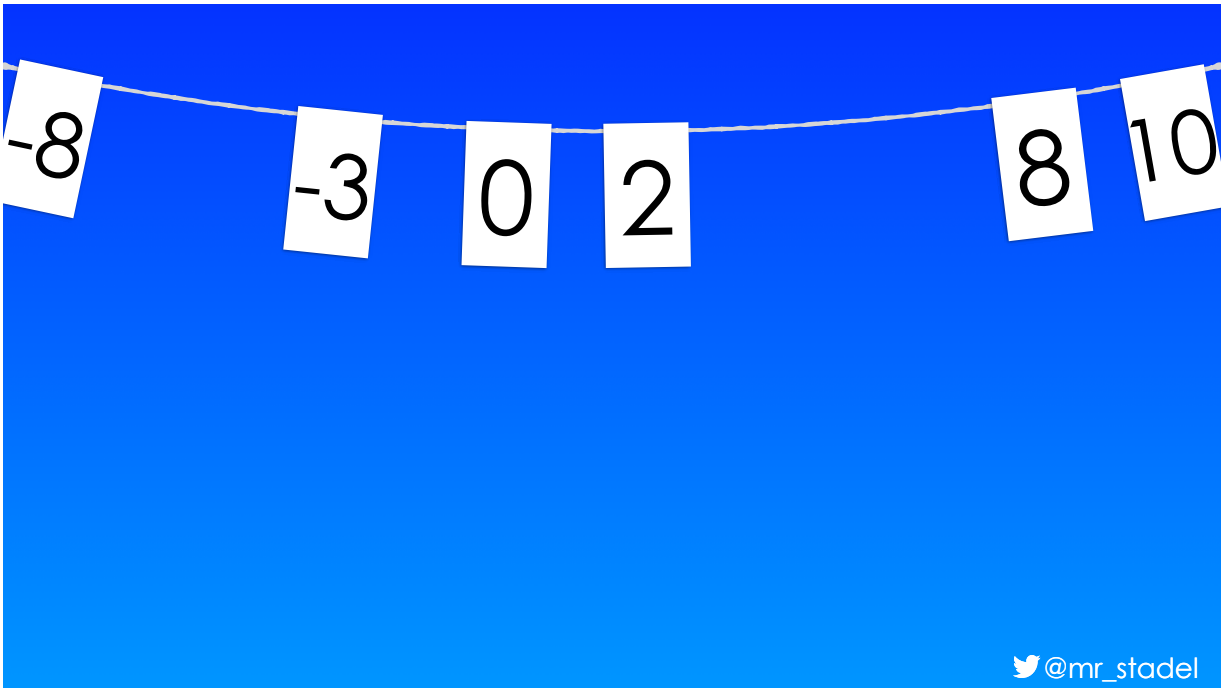
o r d e r !

 @mr_stadel

8 -3 10 -8 2 0

 @mr_stadel







Place & Space


In the bottom right corner, there is a small white Twitter icon followed by the text @mr_stadel.

what's next?

 @mr_stadel



extension


 @mr_stadel

What could be the mystery number?

 @mr_stadel

What could be the mystery number?

How would you adjust the clothesline if we added the following cards; -15, 13, 19?

 @mr_stadel

What could be the mystery number?

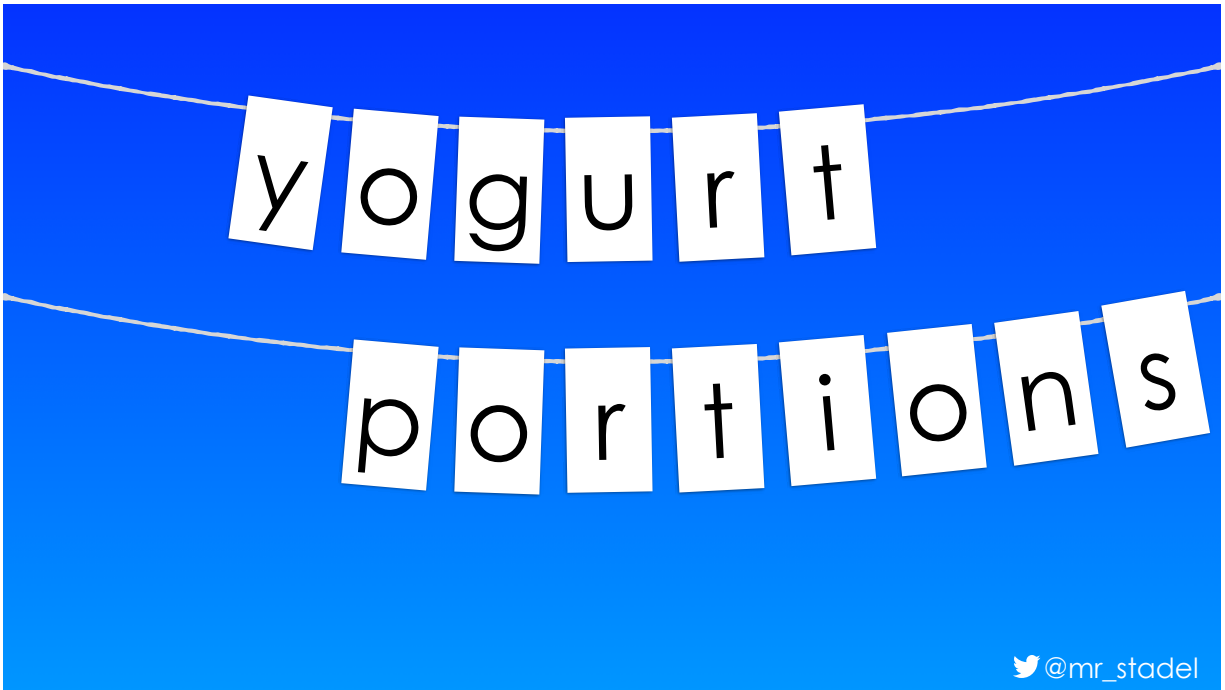
How would you adjust the clothesline if we added the following cards; -15, 13, 19?

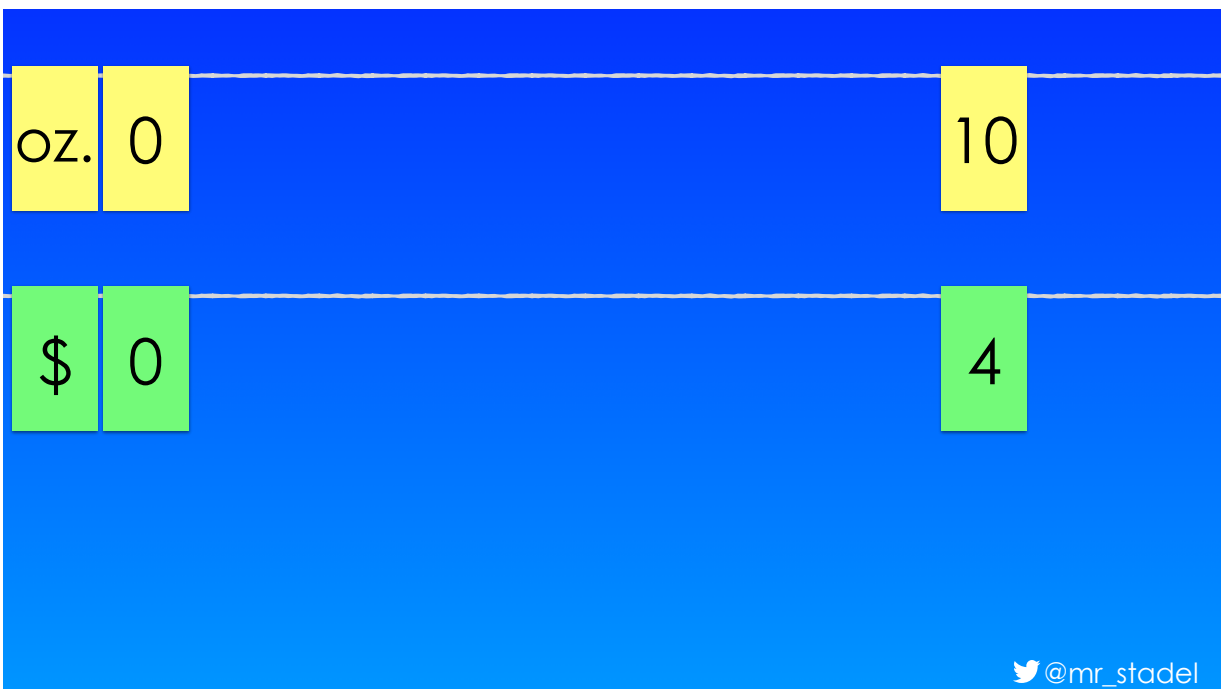
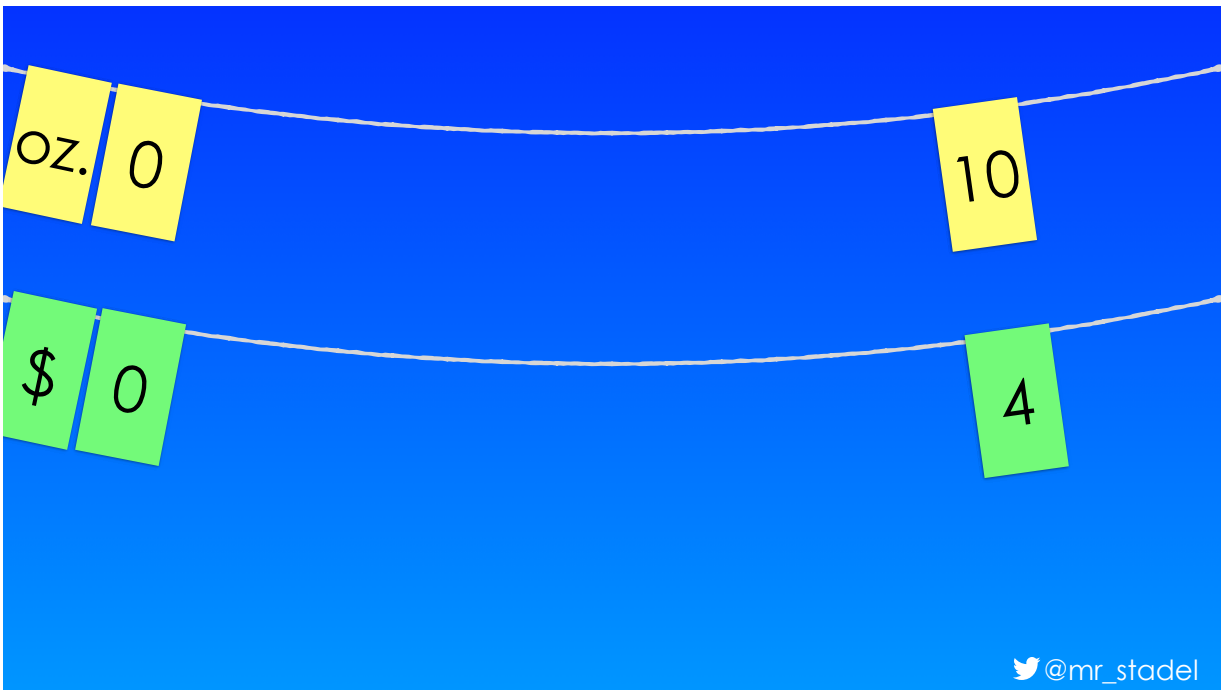
Put clothespins on two different numbers:

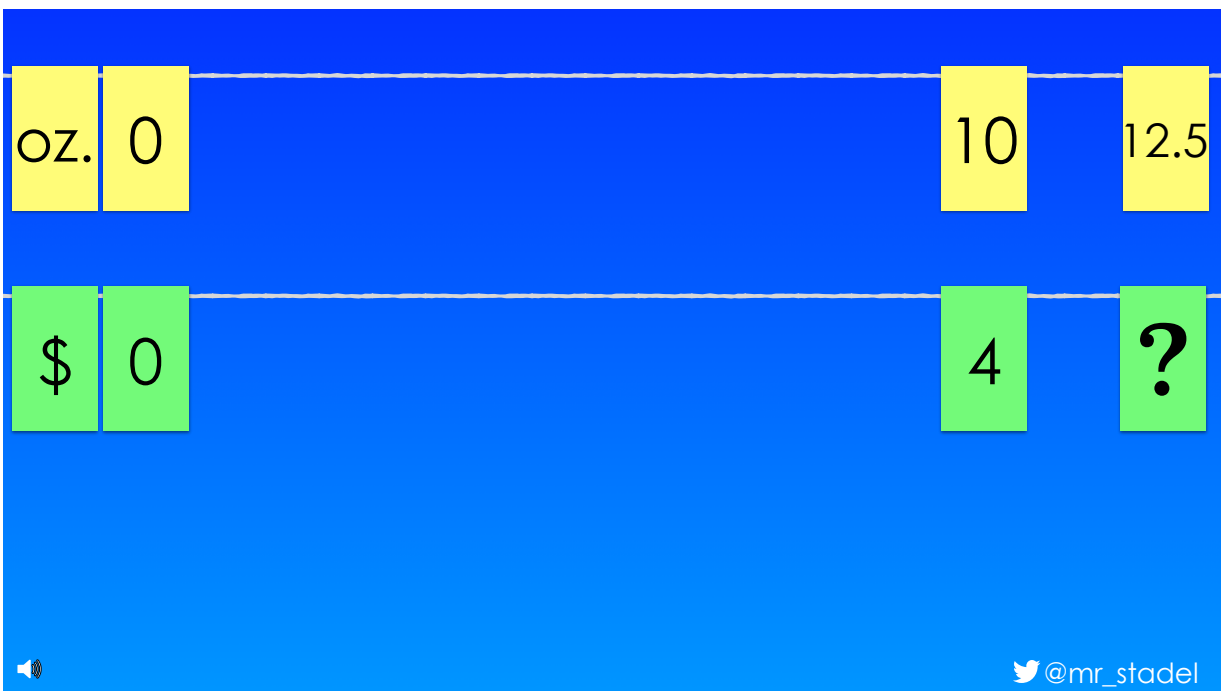
- write expressions using those two numbers.

 @mr_stadel









what did you come up with?



 @mr_stadel

Diagram illustrating a two-stage binomial tree for a call option. The top row shows the stock price in ounces (oz.) at 0, 10, and 12.5. The bottom row shows the payoff in dollars (\$) at 0, 4, and 5. The tree structure is indicated by horizontal and vertical lines connecting the nodes.

 @mr_stadel

yogurt

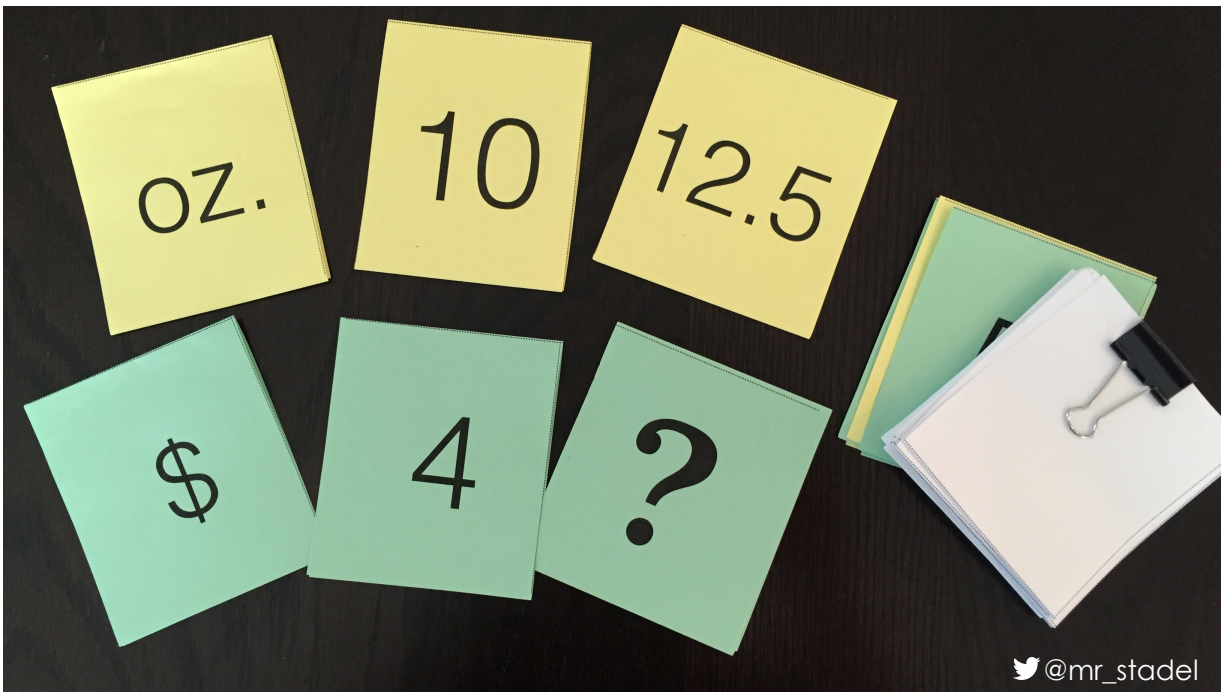
portions

 @mr_stadel

yogurt

proportions

 @mr_stadel



Hey Dan. What's up

percents

I buy a shirt.

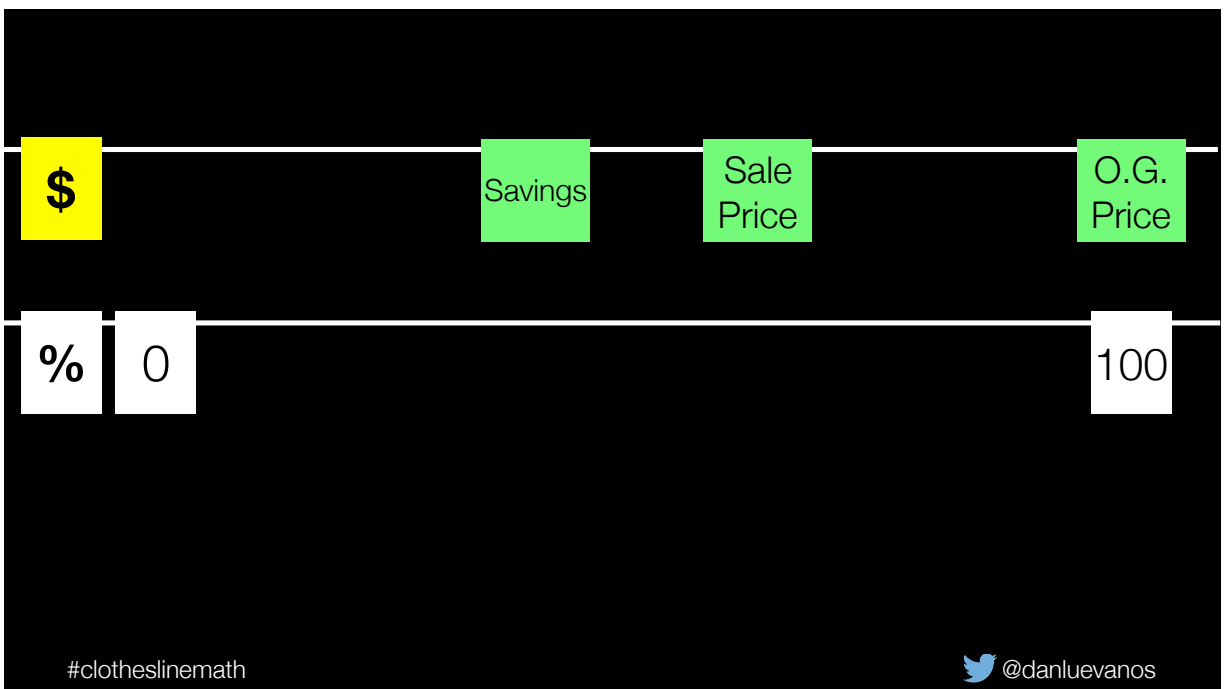
The shirt is on sale.

Sale
Price

Original
Price

Savings


Where would you place these cards on the number line?



I buy a shirt.

The shirt is on sale for 20% off.

#clotheslinemath

 @danluevanos




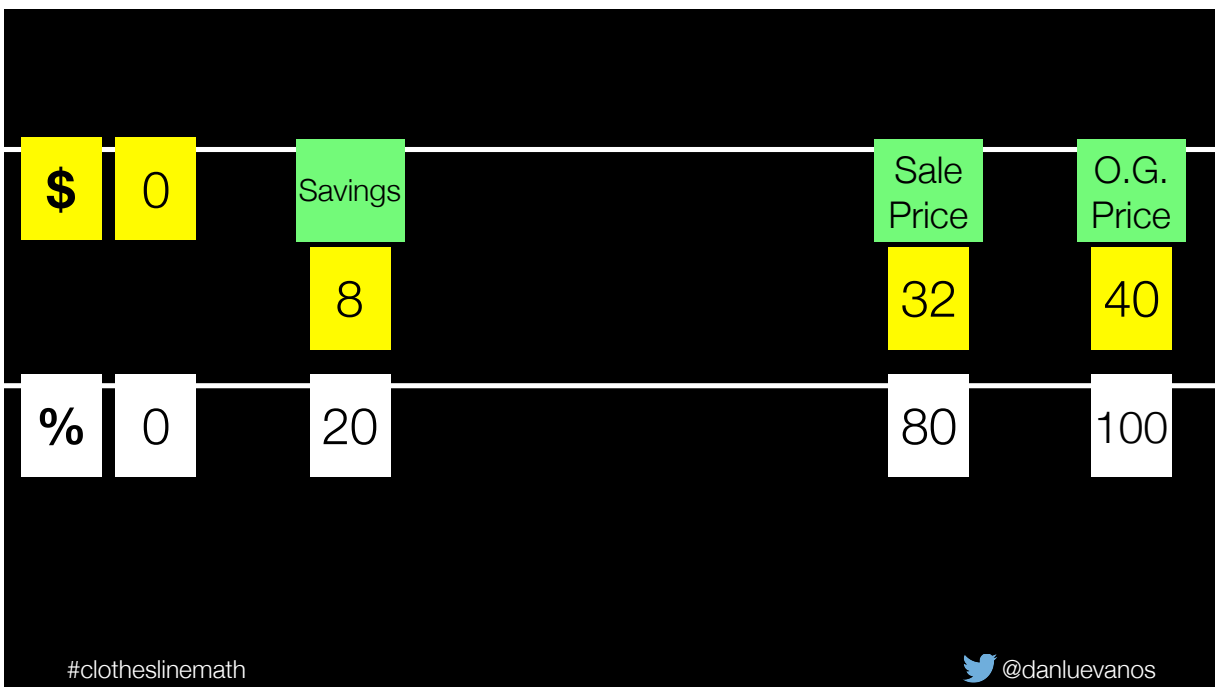
#clotheslinemath

 @danluevanos

I buy a shirt originally priced at \$40.
The shirt is on sale for 20% off.

#clotheslinemath

 @danluevanos




I buy a shirt originally priced at \$40.

The shirt is on sale for 20% off.


What could the question be?

#clotheslinemath

 @danluevanos

- *What is the price of the discounted shirt?*
- *How much money did I save from the sale?*
- *If the sales tax is 7.5%, what is my total cost?*
- *How many shirts can I buy for \$100?*
- *I only have \$25. What percent would the sale have to be so I can buy the shirt?*

#clotheslinemath

 @danluevanos

QUIZ - DISCOUNT AND SALES TAX

DIRECTIONS: Answer the questions. Show all your work and box your final answer.

Mr. Luevanos buys an AC/DC jacket for \$45.
It is on sale for 20% off.


1. Have how much money does Mr. Luevanos **save** from the sale?
2. To find the discounted price, do we **add or subtract** the money Mr. Luevanos saved to/from the original price?
3. What is the **discounted price** of the AC/DC jacket?

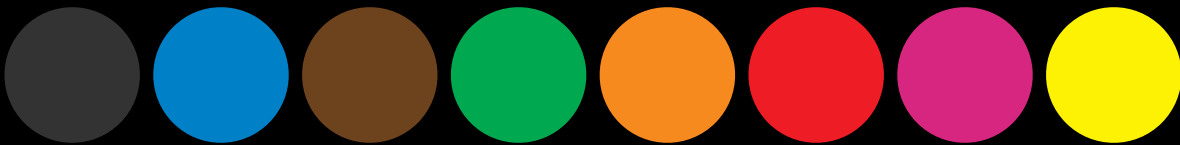
4. How much is the **sales tax** on the discounted jacket if the **sales tax** is 7.5%?

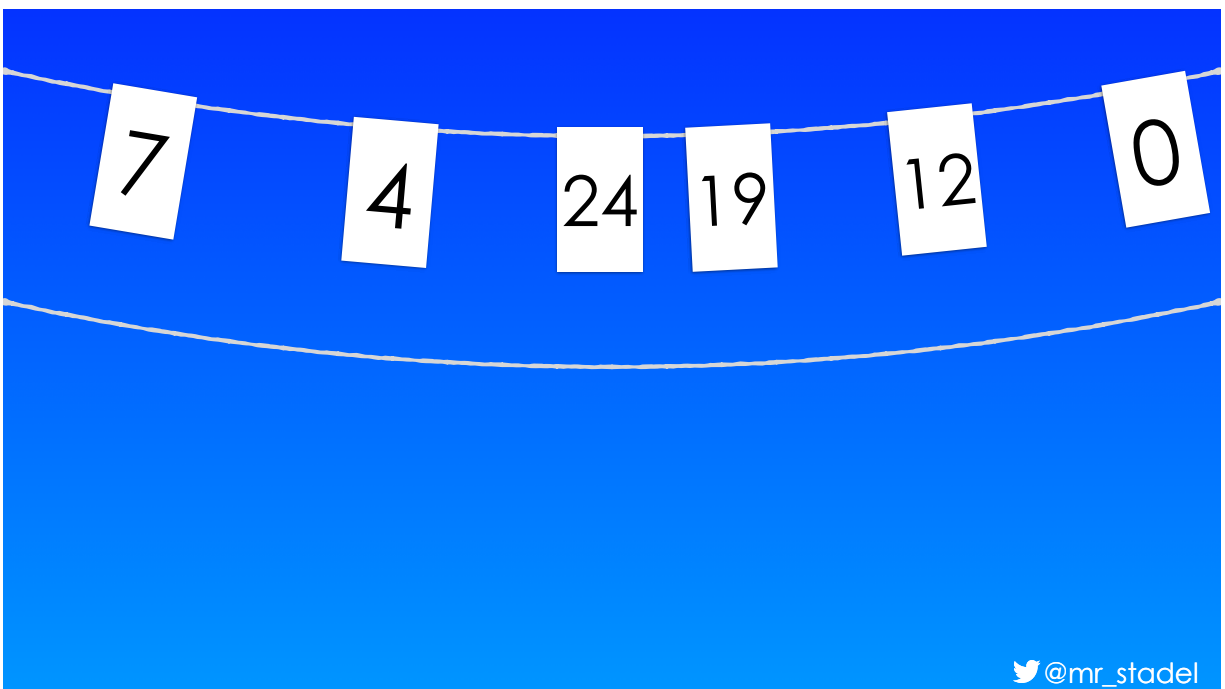
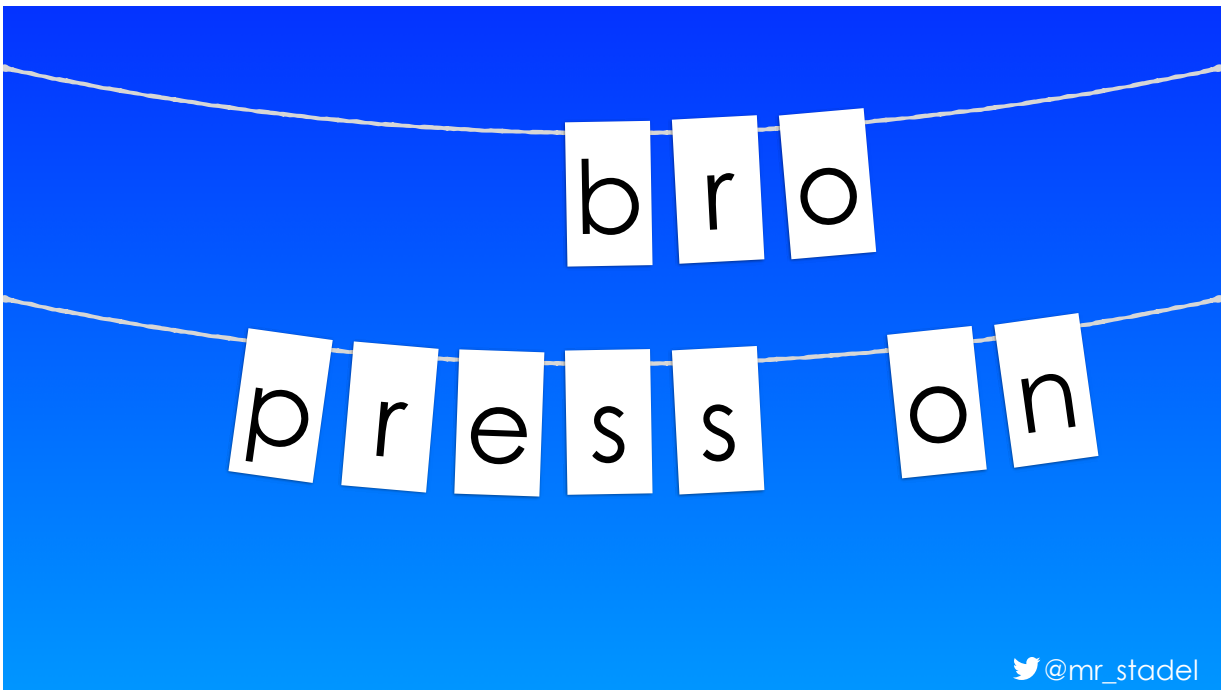
5. To find the final price of the AC/DC jacket, do we **add or subtract** the **sales tax** to/from the **discounted price**?

6. What is the **final price** of the AC/DC jacket?

#clotheslinemath

 @danluevanos




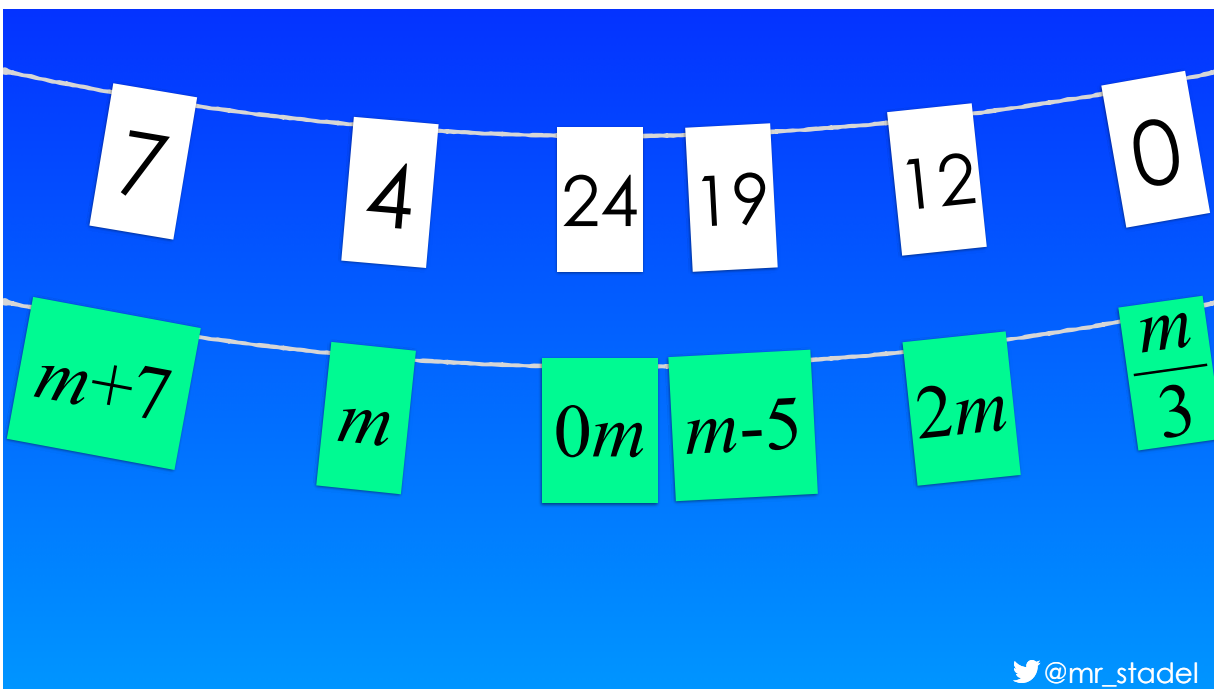



Both sets of cards are:

- out of order \leftrightarrow
- mismatched \updownarrow

FIX IT!
Place & Space

 @mr_stadel




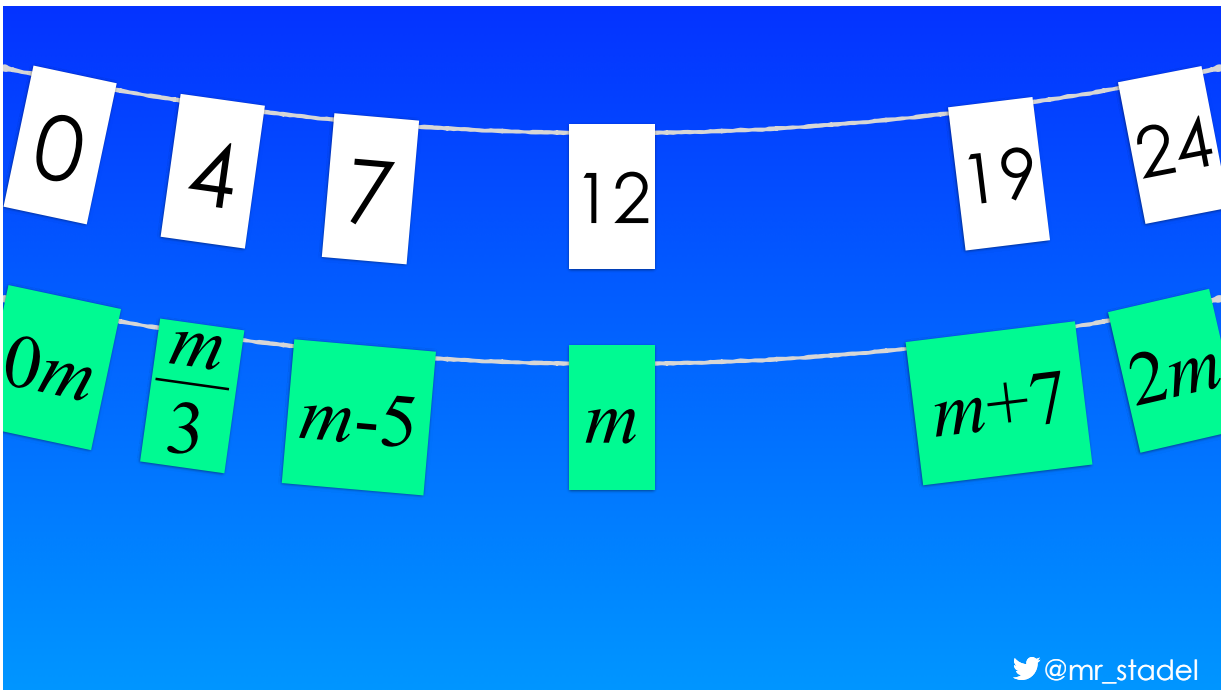
 @mr_stadel

Place & _____

 @mr_stadel

Place & Space

 @mr_stadel



$m = 12$

1) $m + 7 =$ _____

2) $0m =$ _____

3) $m - 5 =$ _____


4) $2m =$ _____

5) $m/3 =$ _____

Correctly place & space:

Numbers	7, 4, 24, 19, 12, 0
expressions	$m + 7$, m , $0m$, $m - 5$, $2m$, $m/3$



 @mr_stadel



Attach 8 to the clothesline.

What expressions can we write for 8 in terms of m ?


 @mr_stadel

Attach 8 to the clothesline.

What expressions can we write for 8 in terms of m ?

Make m equivalent to a different number.

- write your own expressions in terms of m .

 @mr_stadel


Attach 8 to the clothesline.

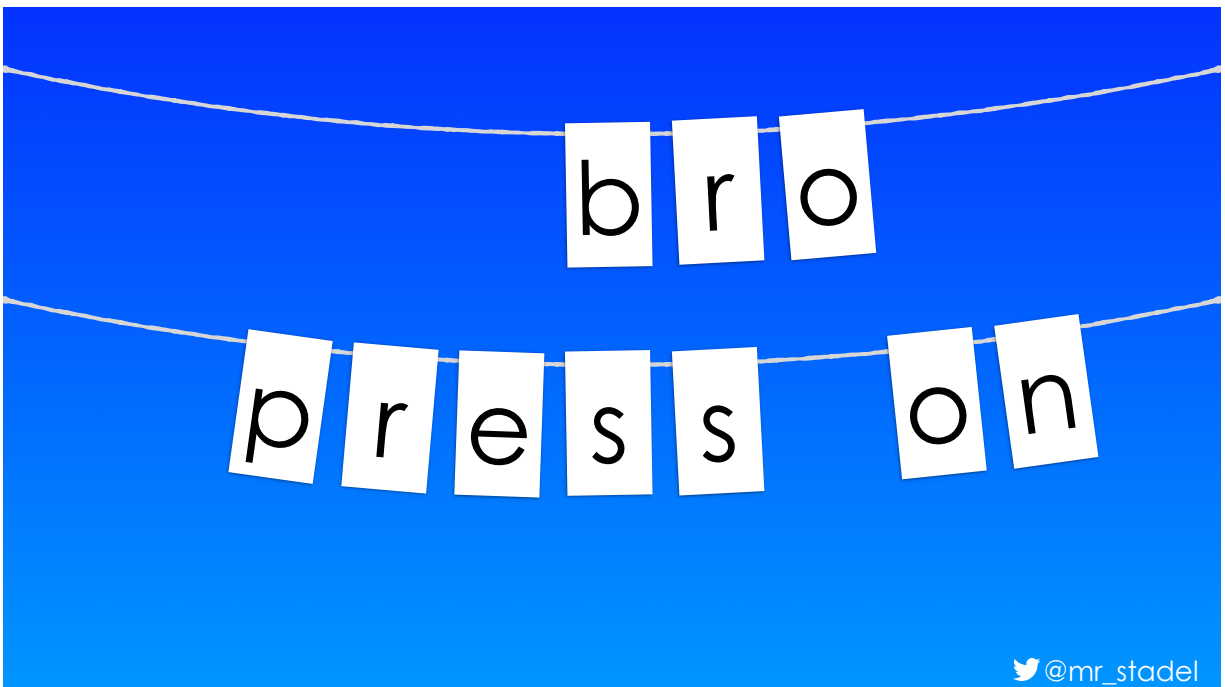
What expressions can we write for 8 in terms of m ?


Make m equivalent to a different number.

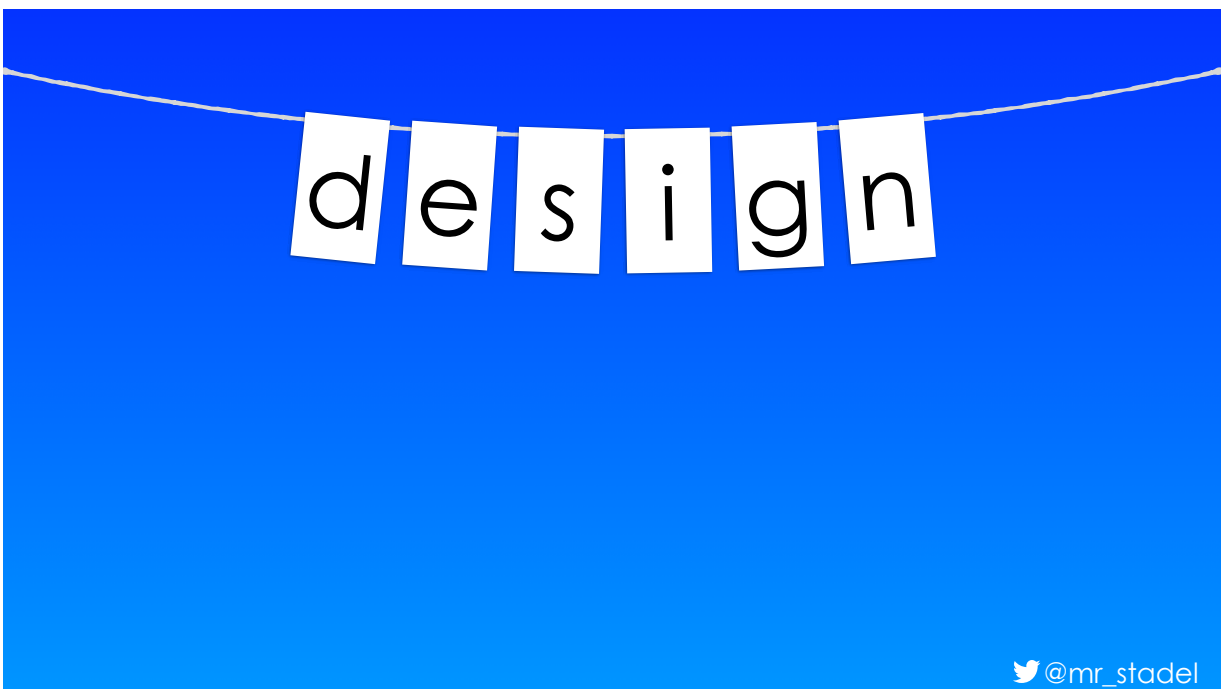
- write your own expressions in terms of m .

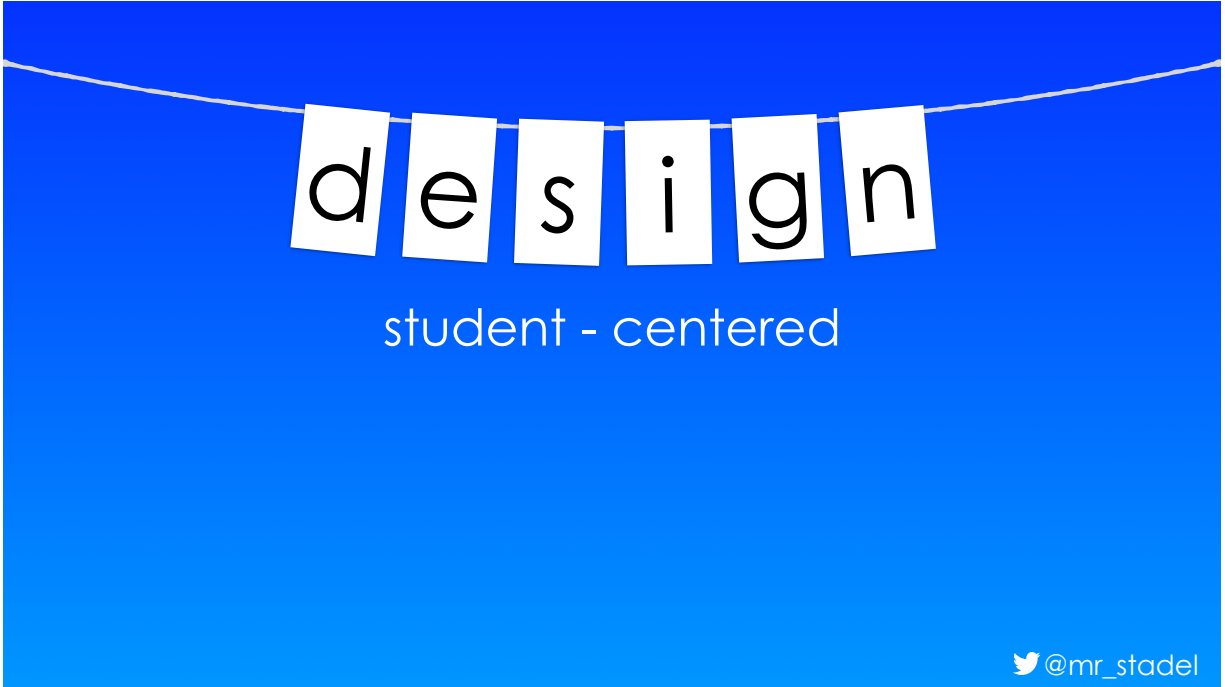
Create a combo of missing expressions and numbers.

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 @mr_stadel

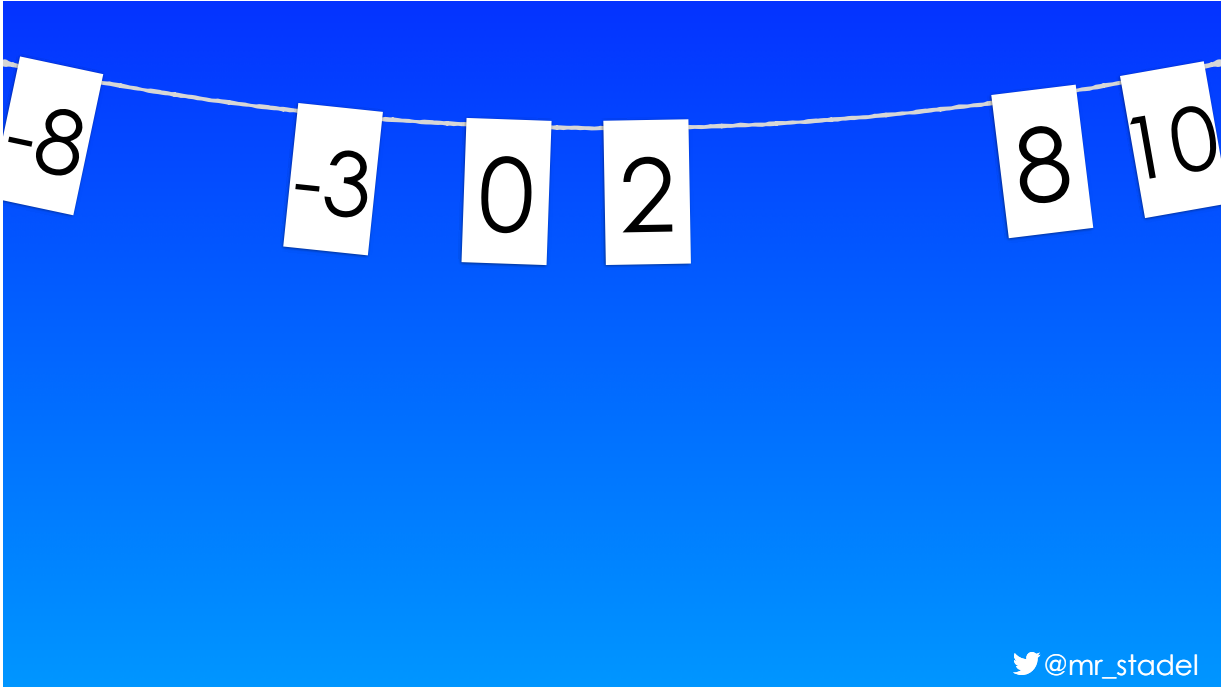





d e s i g n

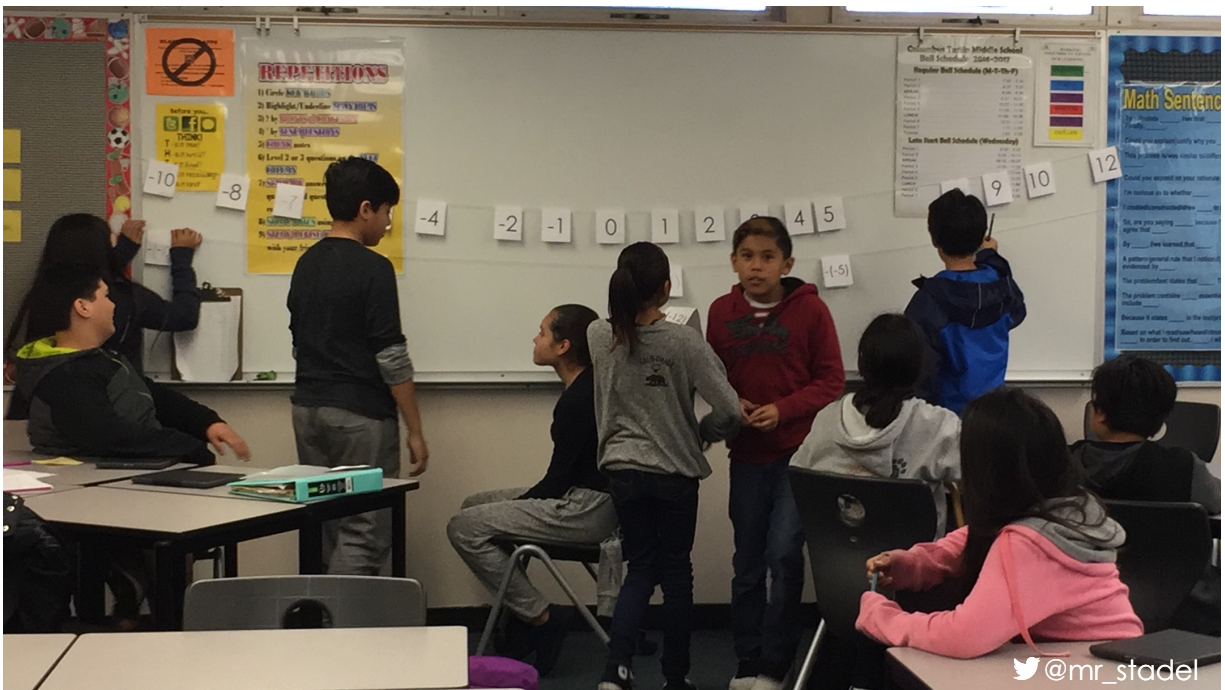
student - centered

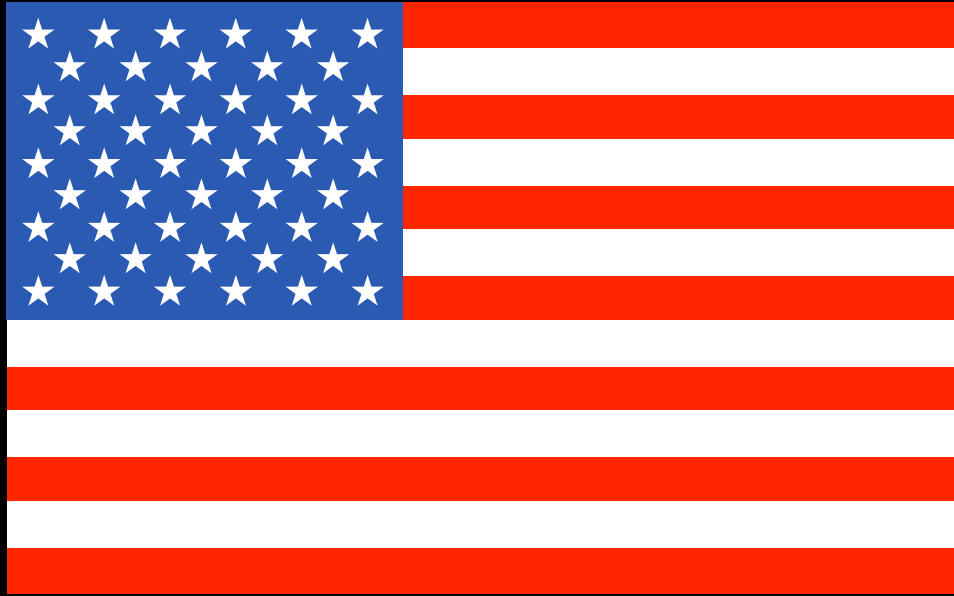
 @mr_stadel




-8 -3 0 2 8 10


 @mr_stadel

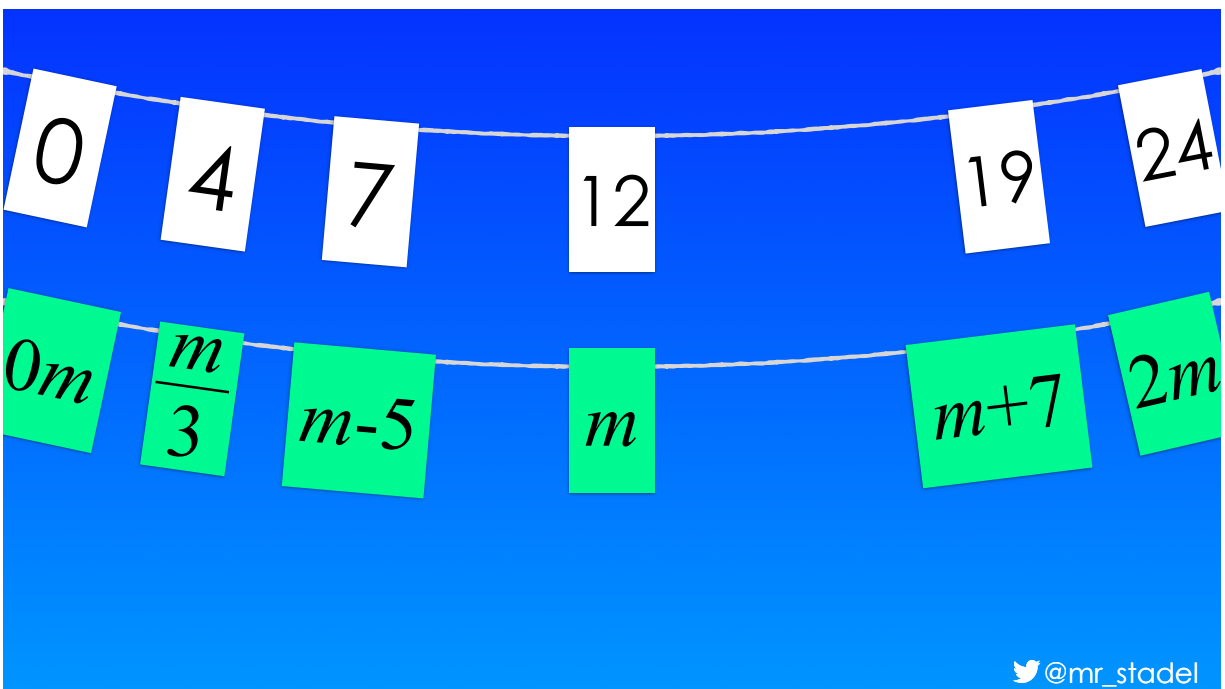
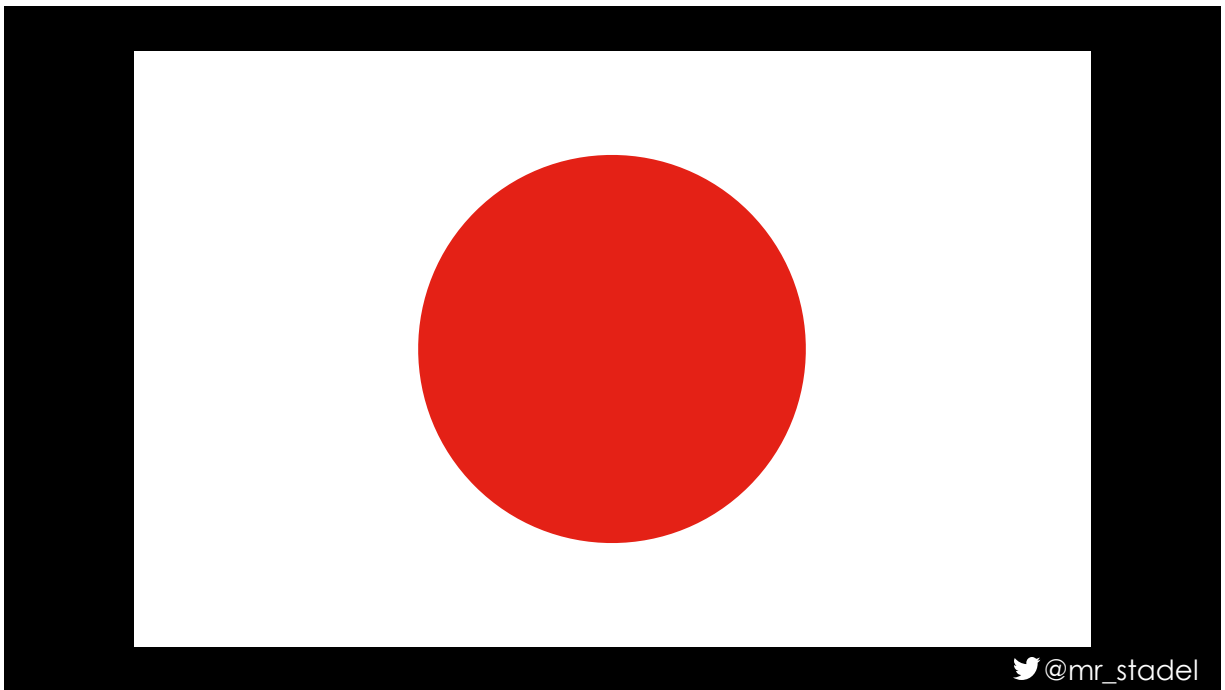




 @mr_stadel



 @mr_stadel






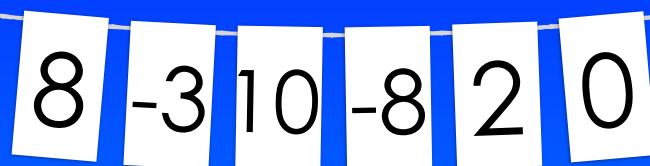
d e s i g n

student - centered


use 2-3 colors

make it “walk-in” ready

 @mr_stadel




8 -3 10 -8 2 0

 @mr_stadel

design

student - centered
use 2-3 colors

make it “walk-in” ready
label each line


 @mr_stadel

oz. 0

10

\$ 0

4

 @mr_stadel



systems

\$

Items

#clotheslinemath

@danluevanos




#clotheslinemath

@danluevanos

\$		116	168
Items		$2g + 3m$	$3g + 4m$


*Explain how you could find the cost of
one gift card and one movie ticket.*

#clotheslinemath


 @danluevanos

\$	52	116	168
Items	$g + m$	$2g + 3m$	$3g + 4m$


#clotheslinemath

 @danluevanos

\$	12	40	52		116	168
Items	m	g	$g + m$		$2g + 3m$	$3g + 4m$

#clotheslinemath  @danluevanos

$\begin{cases} 3x + y = 11 \\ 6x + 3y = 24 \end{cases}$	
11	24
$3x + y$	$6x + 3y$

#clotheslinemath  @danluevanos

$$3x + 2y = 13$$

$$y = 2$$

$$3x + 2 = 11$$

$$x = 3$$



#clotheslinemath

$$2x + y = 8$$

$$x = 3$$

$$6 + y = 8$$

$$y = 2$$



@danluevanos

ex. 3

$$\begin{cases} 2x + 3y = -1 \\ 3x + 5y = -2 \end{cases}$$

① $3x + 5y = -2$
 $- 2x + 3y = -1$
 $\hline 1x + 2y = -1$

② $2x + 3y = -1$
 $- 1x + 4y = 0$
 $\hline x + 2y = -1$

③ $x + 2y = -1$
 $- x + y = 0$
 $\hline y = -1$

④ $2x + -3 = -1$
 $+3 +3$
 $2x = 2$
 $x = 1$

$(1, -1)$

whaaaaaagggggg

#clotheslinemath

@danluevanos

Q&A

@danluevanos



@mr_stadel

bit.ly/4clotheslines

@danluevanos



@mr_stadel


Clothesline

Dan
Luevanos

 @danluevanos

6-8

Andrew
Stadel

 @mr_stadel